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Sci - Physics

38,339

Aug 56 CTS/dex

The Calculation of Piece-Rates in Rolling Mills
on the Basis of Operational Records, by H. Goblet,
K. Schnick. UNCL

GERMAN, per, Stahl u Eisen, Vol LXXIII, No 19, 1953,
pp 1226-1231.

British Iron and Steel Ind
(no number given)

Sci - Math
Sep 59

98,084

F. Gobin

Statistical Study on the Intercrystalline Corrosion
of 18-8 Type Stainless Steel.

CORROSION AND ANTI-CORROSION, Vol 9, No. 4,
1961, pp 119-131.
BISI 10907

Feb 73

Investigation of Naturally Occuring Emulsifiers
in Crude Oil in Relation to the Choice of Effective
Demulsifiers for Crude-Oil Emulsions, by
A. G. Gobjila, 7 pp.

RUSSIAN, per, Kolloidnyi Zhurnal, Vol XXIV, No 6,
Nov-Dec 1962, pp. 651 - 658

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Sci

Aug 63

342,358

Gobjila, A. G.
CONTRIBUTION TO THE STUDY OF THE DEMULSIFICATION OF CRUDE OIL: THE INFLUENCE OF THE PARAFFINS IN THE CRUDE OIL COMPOSITION UPON THE STABILITY OF THE CRUDES. [1963]
15p 14refs
Order from SLA \$1.60

TT-63-20716

Trans. of Petrol si Gaze (Rumania) 1961, v. 12, no. 10, p. 454-457. (Abstract available)

DESCRIPTORS: "Petroleum, Colloids, Degradation, Stability, Waxes.

Experimental determinations disclosed that solid hydrocarbons which even are the ingredients of paraffin (- wax), participate in stabilizing the emulsions of the water- in oil type of the crude which is pumped out of the wells. In several cases the stabilization was achieved (of the emulsions) due to this that paraffin forms a space- lattice which keeps (Materials--Fuels, TT, v. 11, no. 3) (over)

TT-63-20716

I. Gobjila, A. G.
II. Title in French...

Office of Technical Services

(DC-2700)

THE PROBLEM OF COLLOIDAL CHEMISTRY IN THE
PETROLEUM INDUSTRY, BY A. G. GOBJILA, 9 PP.

RUMANIAN, PER, PETROL SI GAZE, NO 6, 1962,
PP 275-279.

JPRS 15047

EUR - ROMANIA

ECON .

SCI - CHEM

209,574

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Apertural Error of Electrical Immersion
Lenses in Acceleration and Retardation
Circuits, by R. Gobracht,

GERMAN, por. Experimentelle Technik der
Physik, Vol VIIII, 1961, pp 184-1962.

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Sci - Electron
Dec 62

21:894

(FDD 20644)

Photographic Detection in the Infrared According to
Czerny's Method (Evaporography), by H. Gebrecht,
W. Weiss 17 pp.

GERMAN, per, Zeitschrift fuer Angewandte Physik, Vol V,
No 6, 1953, pp 207-211.

CIA/FDD/U-5776

EEur - Germany
Sci - Physics, infrared

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Apr 54 CTS

Distribution angulaire des pertes d'energie d'electrons
ayant une vitesse moyenne dans l'antimoine, by
H. Gobrecht, A. Tausend, ~~et al~~ et al, 8 pp.
GERMAN to FRENCH, per, Z fuer Naturforschung,
Vol XVIIa, No 8, 1962, pp 696-699.

Reverse Translation
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Sci
Aug 64

Gobrecht, H., Meinhardt, O., and Lerche, M.
POTENTIAL DEPENDENCE OF THE SURFACE
RECOMBINATION VELOCITY ON Ge (Über die
Potentialabhängigkeit der Rekombinationsgeschwindigkeit
an Germanium-Oberflächen). [1963] [18p] (foreign
text included) 12refs
Order from SLA \$1.60

TT-63-20722

Trans. of [Zeitschrift für Elektrochemie] (West
Germany) 1963, v. 67, p. 486-493. (Abstract available)

DESCRIPTORS: *Germanium, Surface properties,
*Recombination reactions, Velocity, Electrolytes,
Electrodes, Tests.

The behavior of a thin germanium slice with two
electrolyte contacts has been investigated. Surface
recombination velocity was measured as a function of
electrode potential by means of a light chopping method.
(Chemistry--Physical, TT, v. 11, no. 3) (over)

TT-63-20722

I. Gobrecht, H.
II. Meinhardt, O.
III. Lerche, M.

Office of Technical Services

The Optical and Electrical Properties of Cadmium
Sulfide Single Crystals, by H. Gobrecht and A.
Bartschat, 9 pp.

GERMAN, per, Z. Phys, Vol CXXXVI, 1953, pp 224-233.

AFS-24B10Q

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Sci

Aug 58

71, 190
AFS-24B10Q

Gobrecht, H. and Tausend, A.
OPTICAL PROPERTIES AND BAND MODEL OF
SELENIUM. Nov 61, 25p. 36 refs.
Order from SLA \$2.60 63-10917

Trans. of Zeitschrift für Physik (West Germany)
1961, v. 161, p. 205-220.

DESCRIPTION: *Selenium, Glass, Crystals, *Optical
properties, Determination, *Crystal structure,
Models (Simulations).

The optical constants of amorphous selenium and of
single crystal selenium were measured between 0.4
and 23 microns. Characteristic bands were found
which depended on the orientation of the E-vector with
respect to the crystallographic Z-axis. A band model
of both forms of selenium is described on the basis
of the measurements and some theoretical work.

(Author)

(Physics--Solid State, TT, v. 10, no. 2)

63-10917

I. Gobrecht, H.
II. Tausend, A.

Office of Technical Services

Gobrecht, Heinrich, Franke, Karl-Heinz and others.
AN ALTERNATING CURRENT: APPARATUS FOR
THE MEASURING OF THE HALL EFFECT AND OF
THE CONDUCTIVITY OF LAYERS OF SEMICON-
DUCTORS WITH A HIGH OHMIC RESISTANCE.
[1961] 26p. (11 figs. 10 refs. omitted). 2 refs.
Order from SLA \$2.60 62-10761

Trans. of Zeitschrift für Angewandte Physik (West
Germany) 1961, v. 13, no. 6, p. 261-268.

DESCRIPTORS: *Alternating current, *Hall effect,
*Measurement, Semiconductors, Conductivity,
Voltage, Resistance, Electrical equipment.

The apparatus described permits the Hall voltages to
be measured on samples having resistances between
several hundred and about twenty thousand ohms. The
smallest voltage which can be measured is 0.5 micro-
volts. The application of a phase-sensitive rectifier
(Engineering--Electrical, TT, v. 8, no. 2) (over)

62-10761

I. Gobrecht, H.
II. Franke, K.-H.
III. Title: Apparatus ...

023174

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Gobrecht, H., Tausend, A., and Bach, I.
THE FARADAY EFFECT OF AMORPHOUS SELE-
NIUM FILMS. [1962] 5p.
Order from ATS \$5.50

ATS-76P61G

Trans. of Zeitschrift für Physik (West Germany)
1962, v. 166, p. 76-80.

DESCRIPTORS: *Selenium films, *Magneto-optic
rotation.

(Physics--Solid State, TT, v. 8, no. 7)

62-22145

- I. Gobrecht, H.
- II. Tausend, A.
- III. Bach, I.
- IV. ATS-76P61G
- V. Associated Technical
Services, Inc., East
Orange, N. J.

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Gobrecht, H.
THE OPTICAL ABSORPTION SPECTRUM OF THULIUM SULFATE. [1961] 7p. 9 refs.
Order from SLA \$1.10

61-20209

Trans. of Annalen der Physik (East Germany) 1950,
ser. 6, v. 7/8, p. 88-92.

DESCRIPTORS: *Thulium compounds, *Sulfates, Rare
earth compounds, *Ultraviolet spectroscopy,
Absorption spectrum.

(Physics--Spectroscopy, TT, v. 10, no. 5)

61-20209

I. Gobrecht, H.

... 2603

Office of Technical Services

Gobrecht, Heinrich and Meinhardt, Oskar.

ON THE IMPEDENCE OF SEMICONDUCTOR-ELECTROLYTE INTERFACES, PT. I. CAPACITANCE AND CONDUCTANCE OF Ge AND Si ELECTRODES. (Über die Impedanz von Halbleiter-Elektrolyt-Grenzflächen. Mitteilung I. Kapazität und Leitwert von Germanium- und Silizium-Elektroden). [1963] [23p] (foreign text included) 16 refs

Order from SLA \$2.60

63-18759

Trans. of Deutsche Bunsengesellschaft für Physikalische Chemie e. V., Münster. Bericht (West Germany) 1963, v. 67 [no. 2] p. 142-151.

DESCRIPTORS: *Electrodes, *Germanium, *Silicon, Electrolytes, Capacitance, Electrical conductance, *Semiconductors, Electrical impedance, Surface properties, *Electrochemistry.

(Chemistry--Physical, TT, v. 10, no. 12)

63-18759

I. Gobrecht, H.
II. Meinhardt, O.
III. Title: Capacitance ...

63-18759

Office of Technical Services

Gobrecht, Heinrich and Meinhardt, Oskar.
ON THE IMPEDANCE OF SEMICONDUCTOR-ELECTROLYTE INTERFACES. PT. II. THE FREQUENCY DEPENDENCE OF THE IMPEDANCE OF GERMANIUM ELECTRODES (Über die Impedanz von Halbleiter-Elektrolyt-Grenzflächen. Mitteilung II. Über die Frequenzabhängigkeit der Impedanz von Germanium-Elektroden) [1963] [1 ip] (foreign text included) 10 refs
Order from SLA \$1.60 TT- 63-18760

Trans. of Deutsche Bunsengesellschaft für Physikalische Chemie e. V., Munster. Bericht (West Germany) 1963, v. 67 [no. 2] p. 151-156.

DESCRIPTORS: *Electrodes, *Germanium, Electrical impedance, *Semiconductors, Electrolytes, Surface properties, Capacitance, Electrical conductance, *Electrochemistry.

(Chemistry--Physical, TT, v. 11, no. 1) (over)

TT- 63-18760

I. Gobrecht, H.
II. Meinhardt, O.
III. Title: Frequency

1963-18760

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Office of Technical Services

Gobrecht, Heinrich, Meinhardt, Oskar, and Schulz,
Ludwig.
ON THE BEHAVIOR OF SEMICONDUCTOR ELEC-
TRODES WITH TWO ELECTROLYTE CONTACTS
(Über das Verhalten von Halbleiterelektroden mit Zwei
Elektrolytkontakten). [1963] [21p](foreign text included)
12 refs
Order from SLA \$2.60

63-18758

Trans. of Deutsche Bunsengesellschaft für Physikalische
Chemie e. V., Münster. Bericht (West Germany) 1963,
v. 67, no. 2, p. 156-164.

DESCRIPTORS: *Semiconductor devices, *Electrodes,
Germanium, Electrolytes, *Electrochemistry, Sur-
face properties, Recombination reactions, Tests.

By means of a thin-slice technique the mutual influence
of two circuits on a semiconductor electrode was in-
vestigated in order to clarify which type of carriers
(Chemistry--Physical, TT, v. 10, no. 12) (over)

63-18758

I. Gobrecht, H.
II. Meinhardt, O.
III. Schulz, L.

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